

BRUHAT BANGALORE MAHANAGARA PALIKE**Dasarahalli Project Division****Modified Schedule-B****Name of work: Special Development Works At Mallasandra Colony School in Mallasandra
Ward No. 13**

Sl No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1	cum	226.88	200.00	Rupees Two Hundred Only
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications, specification. No. KBS 2.1(b)/2.3.5	cum	0.00	200.00	Rupees Two Hundred Only
3	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation in loose / soft or hard rock including cost of materials, labour complete as per specifications, specification. No. KBS	cum	16.88	300.00	Rupees Three Hundred Only

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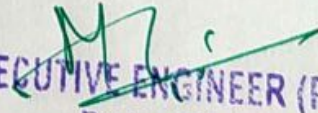
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4	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7	Sqm	11.25	160.00	Rupees One Hundred Sixty Only
5	KSRB 2.8 : Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m. and lift of 1.5m, complete as per specifications, (PWP,IWTD) SR Bangalore Circle 2014. specification. No. KBS	cum	2.25	2000.00	Rupees Two Thousand Only
6	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum	1.69	6500.00	Rupees Six Thousand Five Hundred Only


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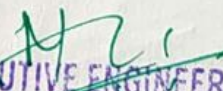
SI No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
7	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	0.00	5000.00	Rupees Five Thousand Only
8	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	0.00	5500.00	Rupees Five Thousand Five Hundred Only
9	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggretes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excludingcost of reinforcement as per specifications.Specification No. KBS Specification No. KBS 4.1,4.64.1,4.6	Cum	36.16	6500.00	Rupees Six Thousand Five Hundred Only


EXECUTIVE ENGINEER (Project)
 Project Division
 Bruhat Bangalore Mahanagara Palike,
 Dasarahalli Zone, Bangalore-73.

Sl No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
10	KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9	Cum	0.00	90.00	Rupees Ninety Only
11	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1	cum	0.00	350.00	Rupees Three Hundred Fifty Only
12	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplastisiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6	cum	0.00	6500.00	Rupees Six Thousand Five Hundred Only


EXECUTIVE ENGINEER (Project)
 Project Division
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 Dasarahalli Zone, Bangalore-73.

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13	KSRRB M1100-5. Driven Vertical Steel Piles as per Drawing and & Technical Specification complete as per specifications. Section of the pile =H Section steel column 400 x 250 mm (ISHB Series) MORTH Specification No.1100 & 1900 (I. No.- 25.16, P.No.- 199, SR: 2016-17)	M	14.50	3500.00	Rupees Three Thousand Five Hundred Only
14	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregates @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Sqm	5.88	6500.00	Rupees Six Thousand Five Hundred Only
15	Providing RCC loft (atta) 7.5cms thick with cement concrete design sqm mix M20 using clean granite or trap jelli of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges).	Sqm	0.00	900.00	Rupees Nine Hundred Only
16	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum	0.06	6500.00	Rupees Six Thousand Five Hundred Only


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Project Division

4 Bruhat Bangalore Mahanagara Palike,
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SI No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
17	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	9.00	350.00	Rupees Three Hundred Fifty Only
18	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	0.00	350.00	Rupees Three Hundred Fifty Only
19	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. up to 3.50m from Ground level. Specification No. KBS 4.6.2	Sqm	212.22	300.00	Rupees Three Hundred Only
20	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	0.00	300.00	Rupees Three Hundred Only
21	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	5.88	300.00	Rupees Three Hundred Only


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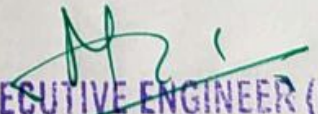
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25	KSRB 9-13-1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.4	Sqm	0.00	4000.00	Rupees Four Thousand Only
26	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raiu plugs, or teak wood gatties including cutting masonry or concrete and making good the originai	Sqm	0.00	4000.00	Rupees Four Thousand Only


EXECUTIVE ENGINEER (Project)
 Project Division
 Bruhat Bangalore Mahanagara Palike,
 Dasarahalli Zone, Bangalore-73.

SI No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
36	Providing and fixing M.S. Hand railing for Balcony/Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular interval of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	12.51	3200.00	Rupees Three Thousand Two Hundred Only
37	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	456.63	8.00	Rupees Eight Only
38	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting	Sqm	456.63	135.00	Rupees One Hundred Thirty Five Only
39	KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	456.63	150.00	Rupees One Hundred Fifty Only


EXECUTIVE ENGINEER (Project)

Project Division

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Dasarahalli Zone, Bangalore-73.

SI No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
54	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.3), (I No-2.3 Pg No. 5 of PWD S.R 2014-15)	Each Point			Rupees Nil
	Using class A materials				Rupees Nil
	Short point up to 3mtrs from tapping point to out let via switch		2.00	150.00	Rupees One Hundred Fifty Only
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch		2.00	200.00	Rupees Two Hundred Only
	Long point a above 6mtr up to 10mtr from tapping point to out let via switch		2.00	200.00	Rupees Two Hundred Only
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP	Nos			Rupees Nil
	5-32Amps DP MCB (I No-6.15.5 of PWD S.R 2014-15)		2.00	600.00	Rupees Six Hundred Only
	5-32Amps SP MCB (I No-6.15.1 of PWD S.R 2014-15)		2.00	700.00	Rupees Seven Hundred Only
	32-40A FP ELMCB (I No-6.17.3 of PWD S.R 2014-15)		2.00	800.00	Rupees Eight Hundred Only
	16-25A DP ELMCB (I No-6.17.1 of PWD S.R 2014-15)		2.00	900.00	Rupees Nine Hundred Only
56	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure, III-Single Door. Group A12Way SP & N (I No-6.16.13 of PWD S.R 2014-15)	Nos	1.00	1000.00	Rupees One Thousand Only


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 Bruhat Bangalore Mahanagara Palike,
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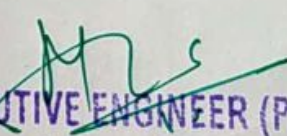
SI No	Description of Work	Unit	Quantity	Rates in Rs	Rates in Words
57	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A),(I No-6.16.15 of PWD S.R 2014-15)	Nos	1.00	1000.00	Rupees One Thousand Only
58	Supply and fixing of bakelite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/niches as per IS 1293 and IS 3854 Group-A.32Amps Flush/projected types DP switch	Nos	4.00	300.00	Rupees Three Hundred Only
59	Supplying and fixing of modular switch/Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plateas per IS 3854 and IS 1293 Group "A" materials k) TV/Telephone socket (8/18),(I No-9.1 of PWD S.R 2014-15)	Nos	2.00	120.00	Rupees One Hundred Twenty Only
60	Supplying and fixing a drop light one PBBC/bakelite pendent holder,PVC insulated twin twisted copper wire of 10/0.3mm length upto 1000 mm,one of 60/100 watts lamp of 230 volts grade and one of 5 amps bakelite ceiling rose fixed on the existing wooden block of the outlet Group- A (Page No - 20 ,I No-4.2.1 of PWD S.R 2014-15)	Nos	5.00	100.00	Rupees One Hundred Only
61	Supplying and fixing PBBC bakelite straight or slant batten holder and wiring within 60w/230 volts Lamps- Group "A" (Page No - 109 ,I No-16.2.1 of PWD S.R 2014-15)	Nos	5.00	60.00	Rupees Sixty Only
62	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including T5 lamp Group - A(Page No - 21,I No-4.11.1 of PWD S.R 2014-15)	Nos	4.00	400.00	Rupees Four Hundred Only

EXECUTIVE ENGINEER (Project)

Project Division

Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore-73.

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67	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5) (I No-3.5 of PWD S.R 2014-15)	Nos	0.00	300.00	Rupees Three Hundred Only
	1-3Way (I No-3.5.1 of PWD S.R 2014-15)	Nos	2.00	80.00	Rupees Eighty Only
	4-5Way (I No-3.5.2 of PWD S.R 2014-15)	Nos	2.00	90.00	Rupees Ninety Only
	6Way (I No-3.5.3 of PWD S.R 2014-15)	Nos	2.00	90.00	Rupees Ninety Only
	8Way (I No-3.5.4 of PWD S.R 2014-15)	Nos	2.00	100.00	Rupees One Hundred Only
	10-12Way (I No-3.5.5 of PWD S.R 2014-15)	Nos	2.00	110.00	Rupees One Hundred Ten Only
	16Way (I No-3.5.6 of PWD S.R 2014-15)	Nos	1.00	120.00	Rupees One Hundred Twenty Only
68	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6 of PWD S.R 2014-15)	Nos			Rupees Nil
	1 to 3 Module (I No-3.6.1 of PWD S.R 2014-15)	Nos	10.00	100.00	Rupees One Hundred Only
	4Moudule (I No-3.6.2 of PWD S.R 2014-15)	Nos	4.00	110.00	Rupees One Hundred Ten Only
	6Moudule (I No-3.6.3 of PWD S.R 2014-15)	Nos	4.00	120.00	Rupees One Hundred Twenty Only
	8Moudule (I No-3.6.4 of PWD S.R 2014-15)	Nos	2.00	130.00	Rupees One Hundred Thirty Only
	10Moudule (I No-3.6.5 of PWD S.R 2014-15)	Nos	2.00	130.00	Rupees One Hundred Thirty Only
	12Moudule (I No-3.6.6 of PWD S.R 2014-15)	Nos	3.00	150.00	Rupees One Hundred Fifty Only
69	Supplying and fixing PVC/metal conduit accessories.(2/1.5 Deep Junction Box	Nos			Rupees Sixty Only
	19/20mm junction box(I No-1.5.1 of PWD S.R 2014-15)	Nos	50.00	60.00	Rupees Sixty Only


EXECUTIVE ENGINEER (Project)
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75	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast. (21/4.9)(I No-4.9of PWD S.R 2014-15)	Nos	0.00	300.00	Rupees Three Hundred Only
	2x4'-28 Watts	Nos	0.00	900.00	Rupees Nine Hundred Only
	2x4'-28 Watts	Nos	0.00	1000.00	Rupees One Thousand Only
76	Supply box type suitable for 20W T5 single/twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holder & main connectores. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enamelled whith end caps made of engineering plastic. (20/4.7)(I No-4. 7 of PWD S.R 2014-15)	Nos	0.00	300.00	Rupees Three Hundred Only
77	Supplying CFL mirror light fitting with 2x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC (25/4.25)(I No-4.23 of PWD S.R 2014-15)	Nos	0.00	300.00	Rupees Three Hundred Only
E1	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. (P.No.106, I.No. 14.36.2 of PWD SR 2015-16)	Cum	97.61	1285.70	Rupees One Thousand Two Hundred Eighty Five And Paise Seventy Only

EXECUTIVE ENGINEER (Project)

Project Division

Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore-73

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E2	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m. Specification No. KBS 7.9 / 7.12.	Sqm	1.89	2549.54	Rupees Two Thousand Five Hundred Forty Nine And Paise Fifty Four Only
E3	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	553.20	75.44	Rupees Seventy Five And Paise Forty Four Only
E4	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc.,	Sqm	4.41	3207.70	Rupees Three Thousand Two Hundred Seven And Paise Seventy Only


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